

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 713 AND MD 176 IN ANNE ARUNDEL COUNTY.THE WORK IS NECESSITATED BY THE CONSTRUCTION OF A RIGHT TURN LANE ON SOUTHBOUND MD 713.MD 713 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA SIX-PHASE, FULLY-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR N.B. & S.B. MD 713 AND SPLIT PHASING FOR MD 176. THIS OPERATION WILL NOT BE CHANGED.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

QUANTITY	DESCRIPTION
LS	MAINTENANCE OF TRAFFIC
LS	REMOVE AND DISPOSE OF MATERIAL AND EQUIPMENT
5 EA	ELECTRICAL HANDHOLE
10 LF	3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
75 LF	3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED
350 LF	4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
80 LF	4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT- BORED
2 EA	NON-INVASIVE MICRO-LOOP PROBE WITH LEAD-IN CABLE
200 LF	ELECTRICAL CABLE 2 - CONDUCTOR (NO. 12 A.W.G.) TRAY CABLE
30 LF	ELECTRICAL CABLE 5 - CONDUCTOR (NO. 14 A.W.G.)
460 LF	ELECTRICAL CABLE 7 - CONDUCTOR (NO. 14 A.W.G.)
10 LF	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
1 EA	3/4 IN. X 10 FT. GROUND ROD
190 LF	5 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
65 LF	24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
2 EA	R3-SL (30" X 36") SIGN - MAST ARM MOUNT
2 EA	D-3(1) (VAR X 16") DUAL FACE SIGN - MAST ARM MOUNT
5 EA	VIDEO DETECTION CAMERA AND CABLE
2 EA	VIDEO INTERFACE EQUIPMENT
1 EA	27 FT. MAST ARM POLE & 50 FT. MAST ARM
3 CY	CONCRETE FOUNDATION FOR SIGNAL
9 EA	12 IN. LED SIGNAL HEAD SECTION
6 EA	8 IN. LED SIGNAL HEAD SECTION
1 EA	15 FT. LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS:

MRS. KIM TRAN ASSISTANT DISTRICT ENGINEER - TRAFFIC (410) 841-1019	MR. JOHN MAYS ASSISTANT DISTRICT ENGINEER - MAINTENANCE (410) 841-1013
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MR. MIKE HUBER
UTILITY ENGINEER
(410) 841-1039

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

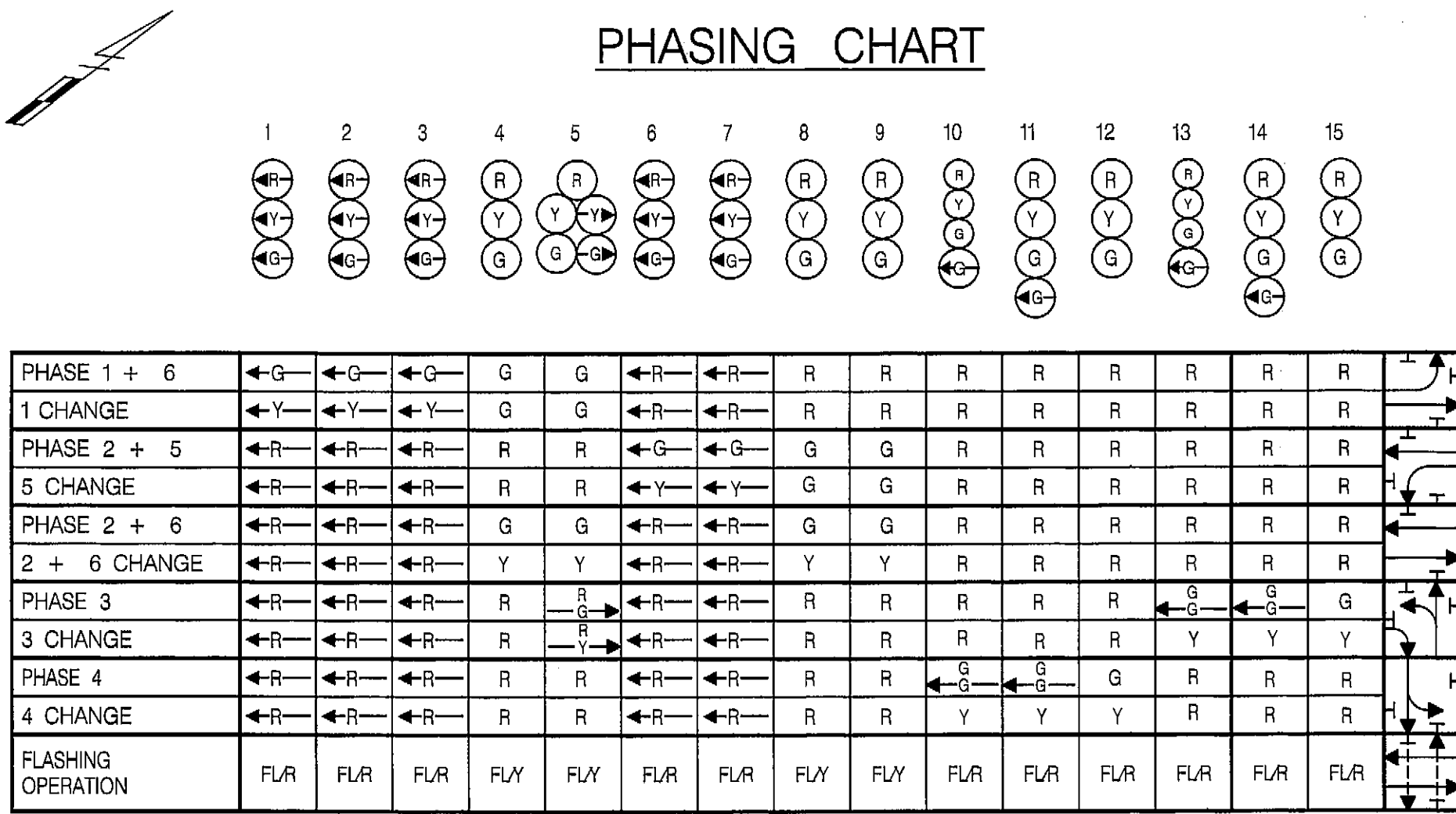
MR. RICHARD DAFF, SR. CHIEF, TRAFFIC OPERATIONS (410) 787-7630	MR. EUGENE BAILEY TEAM LEADER SIGN OPERATIONS (410) 787-7676
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MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
(410) 787-7631

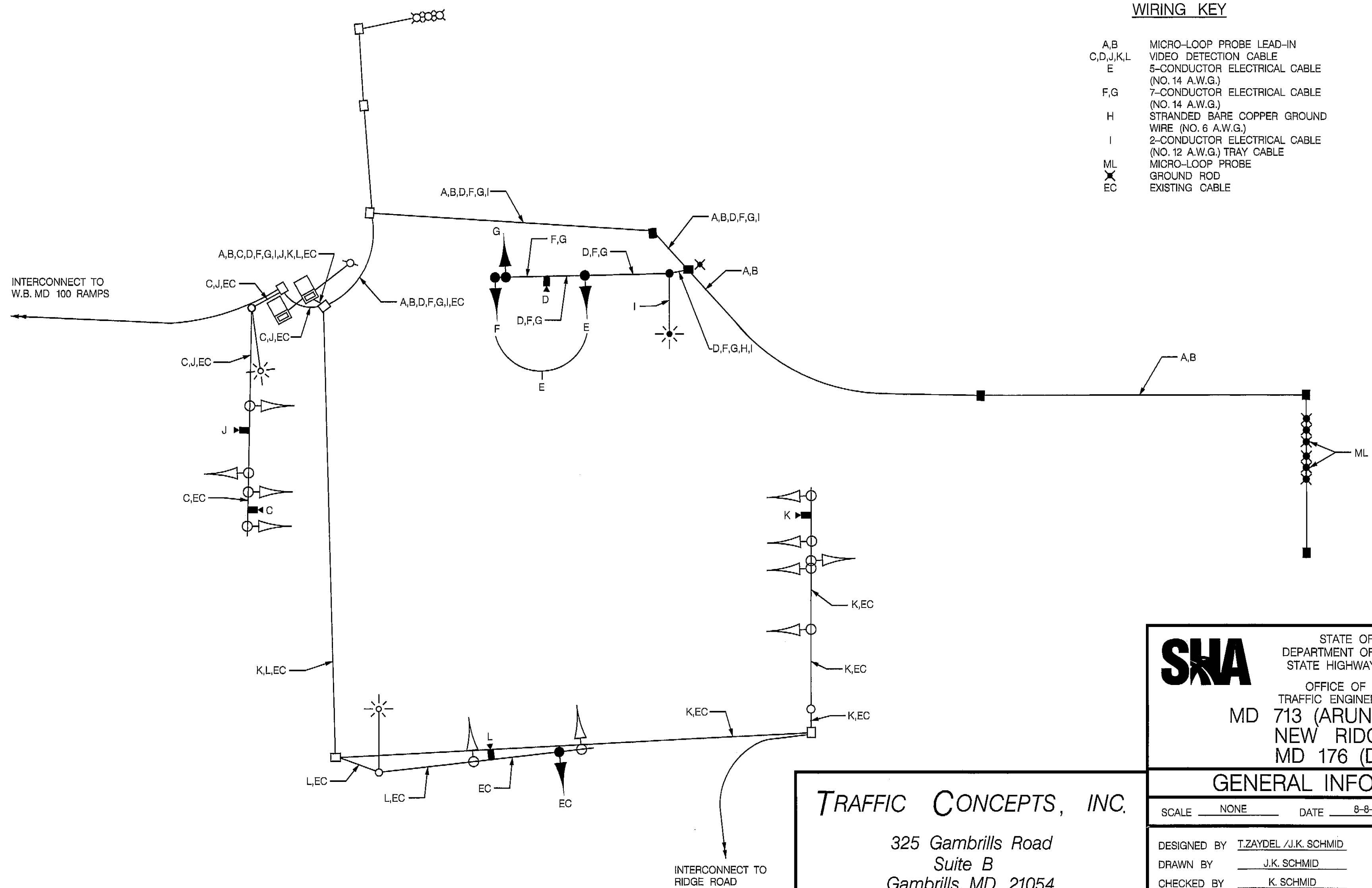
MR. MIKE STOCKER
SUPPLY OFFICE
SIGNAL SHOP WAREHOUSE
(410) 787-7668

MR. ED RODENHIZER
CHIEF - SIGNAL OPERATIONS SECTION
(410) 787-7652

PHASING CHART



WIRING DIAGRAM



WIRING KEY

A,B	MICRO-LOOP PROBE LEAD-IN
C,D,J,K,L	VIDEO DETECTION CABLE
E	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
F,G	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
H	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
I	2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.) TRAY CABLE
ML	MICRO-LOOP PROBE
X	GROUND ROD
EC	EXISTING CABLE

TRAFFIC CONCEPTS, INC.

325 Gambrills Road
Suite B
Gambrills, MD 21054
(410) 923-7101
FAX: (410) 923-6473

EMAIL: TRAFFIC@TRAFFIC-CONCEPTS.COM

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DATE: Tuesday, August 09, 2011 AT 10:47 AM



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 713 (ARUNDEL MILLS BLVD.)/
NEW RIDGE ROAD AND
MD 176 (DORSEY ROAD)

GENERAL INFORMATION PLAN

SCALE	NONE	DATE	8-8-11	CONTRACT NO.	BW996M82
DESIGNED BY	T.ZAYDEL/J.K. SCHMID	COUNTY	ANNE ARUNDEL		
DRAWN BY	J.K. SCHMID	LOGMILE	02071303.05		
CHECKED BY	K. SCHMID	T.I.M.S. NO.	K-969		
F.A.P. NO.	NA	TOD NO.			
DRAWING NO.	TS - 3227E GI	SHEET NO.	2	OF	2